PRODUCT INFORMATION

Bluestone Support Gravel & Waste Water-Sewer-Septic

R.W. Sidley's operates a state of the art processing plant that produces the highest quality products virtually free of deleterious materials. R.W. Sidley's processed bluestone products are washed and screened at the Thompson Plant. All Bluestone Support Gravels meet AWWA specifications and are NSF certified for drinking water components.

Available packaging: 50 lb. bags, 3,000 lb. super sacks, 4,000 lb. super sacks and bulk quantities.

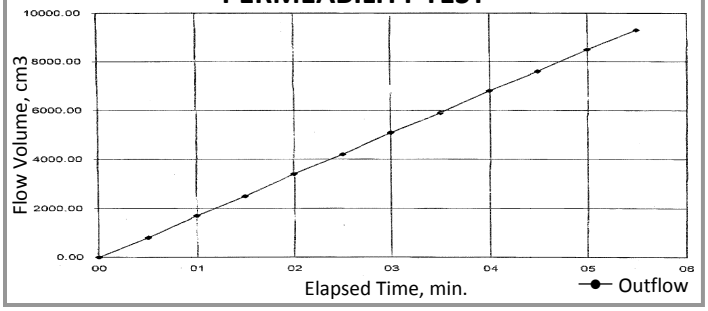
LABORATORY SIEVE ANALYSIS

Product	3/4 X 1/2		1-1/2 X 3/4		2-1/2 X 1-1/2	
Mesh Size	**CUM%PASS**	**SPEC.**	**CUM%PASS**	**SPEC.**	**CUM%PASS**	**SPEC.**
2-1/2					94.3%	**92-100**
2					63.8%	
1-1/2			98.9%	**92-100**	5.7%	**0-8**
1	100.0%		44.4%		0.5%	
7/8	100.0%		20.5%			
3/4	96.9%	**92-100**	2.0%	**0-8**		
5/8	63.5%		0.9%			
1/2	3.4%	**0-8**	0.4%			
3/8	0.3%		0.1%			
Pan	0.0%		0.0%		0.0%	

PHYSICAL ANALYSIS

Description	Test Result	Specifications	Methods	Comments
Hydraulic Conductivity	1.33 X 10^{-1} cm/s	Minimum 1.0 X 10^{-2} cm/s	ASTM D 2434	Sample K value equals the maximum capacity of equipment. Actual flow may be greater.
Insoluable Residue /Carbonate Content	Insoluable Residue 96.4% / Cabonate Content 3.6%	Maximum 15% Carbonate Content	MTO LS-613	
Calcium Oxide (CaO) / Whole Rock Ananlysis	2.05%			

PERMEABILITY TEST



CHEMICAL ANALYSIS

Tests	Results/Units
$A1_2O_3$	14.2%
CeO	2.05%
Cr_2O_3	0.03%
Fe_2O_3	5.53%
LOI	1.91%
K_2O	2.66%
MgO	2.11%
MnO	0.07%
Na_2O	3.86%
P_2O_5	0.12%
SiO_2	67.8%

Testing: Results are typical for the product.

Laboratory Sieve Analysis: Testing was conducted at R.W. Sidley, Inc., Thompson, OH. Tests performed in accordance with ASTM D-75, ASTM C-136, and AASHTO T-176.

Chemical Analysis: Testing conducted by SGS Lakefield Research Ltd., Lakefield, Ontario.

Physical Analysis: Testing conducted by AME Materials Engineering, Brampton, Ontario

Revised: 02.12.15